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(54) Title: **CHALCONE SYNTHASE DIHYDROFLAVONOL 4-REDUCTASE AND LEUCOANTHOCYANIDINE REDUCTASE FROM CLOVER, MEDIC RYEGRASS OR FESCUE**

(57) Abstract: The present invention relates to nucleic acid fragments encoding amino acid sequences for flavonoid biosynthetic enzymes in plants, and the use thereof for the modification of, for example, flavonoid biosynthesis in plants, and more specifically the modification of the content of condensed tannins. In particularly preferred embodiments, the invention relates to the combinatorial expression of chalcone synthase (CHS) and/or dihydroflavonol 4-reductase (BAN) and/or leucoanthocyanidine reductase (LAR) in plants to modify, for example, flavonoid biosynthesis or more specifically the content of condensed tannins.

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